

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): KATO, et al.  
Serial No.: Reissue application of U.S. Patent No. 6,263,588  
Filed: February 5, 2002  
For: VACUUM PROCESSING APPARATUS AND  
OPERATING METHOD THEREFOR

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 AND 1.98**

Assistant Commissioner for Patents  
Washington, D.C. 20231

February 5, 2002

Sir:

Pursuant to Applicants' duty of disclosure, enclosed please find copies of documents to be considered by the Examiner during examination of the above-identified Reissue application. Also enclosed are Forms, substantially equivalent to Form PTO-1449, listing the enclosed documents.

Please note that the enclosed documents were provided in connection with prosecution of patent applications and/or patents in foreign countries. The enclosed documents also include decisions of various foreign patent offices in connection with the corresponding foreign applications and/or patents.

The enclosed documents are being submitted concurrently with the filing of the above-identified Reissue application. Clearly, requirements of 37 CFR

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1.97 and 1.98 are satisfied, by present submission of the enclosed documents.

To the extent that the enclosed documents are not in English, it is respectfully submitted that requirements of 37 CFR 1.97(a)(3) are satisfied by English-language abstracts, or partial or full English translations, of enclosed documents, as indicated on the enclosed Forms listing the documents.

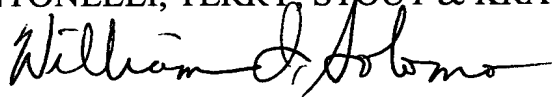
In view of all of the foregoing, it is respectfully submitted that all applicable requirements of 37 CFR 1.97 and 1.98 have been satisfied, in connection with each of the documents listed on the enclosed Forms.

Accordingly, consideration of the listed documents, upon examination of the above-identified Reissue application, is respectfully requested.

To the extent necessary, Applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to the Deposit Account No. 01-2135 (Case No. 520.30414R50) and please credit any excess fees to such Deposit Account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP



William I. Solomon  
Registration No. 28,565

Tel.: 703-312-6600  
WIS/slk  
Enclosures

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414R50	SERIAL NO.
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT KATO, et al.	
		FILING DATE 2-5-02	GROUP

**U.S. PATENT DOCUMENTS**

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	AA	4,836,905	6-6-89	Davis, et al.		
	AB	4,923,584	5-8-90	Bramhall, Jr. et al.		
	AC	4,643,629	2-17-87	Takahashi, et al.		
	AD	5,186,718	2-16-93	Tapman, et al.		
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	AM	60-246635	12-6-85	Japan		ABS	
	AN	1-298180	12-1-89	Japan		ABS	
	AO	2-94647	4-5-90	Japan		ABS	
	AP	64-500072	1-12-89	Japan			X
	AQ	2-61064	3-1-90	Japan			X
	AR	1-310553	12-14-89	Japan		ABS	
	AS	1-251734	10-6-89	Japan		ABS	
	AT	63-153270	6-25-88	Japan		FTR	

**OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AU	Terminological Dictionary of Semiconductor Equipment, Edited by Semiconductor Equipment Association of Japan, Published by Nikkan Kogyo Shinbun sha Inc. (1987) p. 183 (PTR)
	AV	Semicon News, April 1987 (pp. 38-43) (PTR)
	AW	VLSI Processing Equipment handbook, Ph. D. Kazuo Maeda (6-90), pp. 158 (PTR)
	AX	Latest trend of process automation (Realize, Inc.) (1986), pp. 202 and 203
	AY	Semicon News, Semicon/East '84, 12-1984, vol. 13., p. 199
	AZ	"Semiconductor World", 1990/9, Published by Press Journal, Inc., pp. 136-7 (FTR)
Examiner		Date Considered

\* PTR (partial translation) - FTR (full translation) - ABS (abstract)

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	AN	62-50463	3-5-87	Japan		ABS	
	AO	2-106037	4-18-90	Japan		ABS	
	AP	57-29577	2-17-82	Japan		ABS	
	AQ	62-207866	9-12-87	Japan		FTR	
	AR	59-094435	5-31-84	Japan		ABS	
	AS	63-57734	4-18-88	Japan			X
	AT	63-133521	6-6-88	Japan		FTR/ABS	

**OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AU	Electronic Parts and Materials, 1989, vol. 28, no. 3, pp. 22-29
	AV	Solid State Technology, 10/90, pp. 35-41
	AW	Solid State Technology, 12/90, pp. 37-47
	AX	Semiconductor World, pp. 106-111, 9/90
	AY	Semiconductor World, pp. 122-125, 9/90
	AZ	Semiconductor World, pp. pp. 110-113, 10/89
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						Yes	No
	AM	62-216315	9-22-87	Japan		ABS	
	AN	60-52574	3-25-85	Japan		ABS	
	AO	4-82841	7-20-92	Japan			X
	AP	58-93321	6-3-83	Japan		ABS	
	AQ	3-19252	1-28-91	Japan		ABS	
	AR	2-52449	2-22-90	Japan		PTR/ABS	
	AS	58-95636	6-29-83	Japan			X
	AT	1-316957	12-21-89	Japan		ABS	

## OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	Semiconductor World, pp. 52-53, 8/91
	AV	European Search Report, 1/92, re 91307625.3
	AW	European Search Report, 4/98, re 97111628.0
	AX	European Search Report, 3/99, re 981061625
	AY	JP application No. 3-234408, Notification of Reasons for Refusal, 1-28-97 (TR)
	AZ	JP application No. 2646905, Notification Reasons for Revocation 12-15-98 (TR)
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	AU	JP application No. 2646905, Notice of Reasons for Revocation 7-21-99 (TR)
	AV	Decision for Patent Opposition, Opposition No. 10-70995 (10-99) (TR)
	AW	JP application No. 2-225321, Notification of Reasons for Refusal 10-15-96 (TR)
	AX	JP application No. 8-335329, Interview Record (TR)
	AY	JP application No. 8-335329, Notification of Reasons for Refusal 9-30-97 (TR)
	AZ	JP application No. 8-335329, Notification of Reasons for Refusal 4-7-98 (TR)
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	AO	58-108641	6-28-83	Japan		ABS	
	AP	1-120811	5-12-89	Japan		ABS	
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	AU	JP patent No. 2816139, Notice of Reasons for Revocation 11-21-99 (TR)
	AV	Official Decision on Opposition to Grant of Patent 1999-71584 1-12-01 (TR)
	AW	JP application No. 9-329873, Notification of Reasons for Refusal 7-14-98 (TR)
	AX	JP application No. 9-329873, Notification of Reasons for Refusal 11-10-98 (TR)
	AY	JP patent No. 2942527, Notice of Reasons for Revocation 6-27-00 (TR)
	AZ	Decision on Opposition to the Grant of a Patent 2000-70844 1-12-01 (TR)
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	AV	JP application No. 2000-05449, Notification of Reasons for Refusal 9-6-00 (TR)
	AW	JP application No. 2000-054450, Notification of Reasons for Refusal 9-6-00 (TR)
	AX	JP application No. 2000-054451, Notification of Reasons for Refusal 9-6-00 (TR)
	AY	JP application No. 2000-054452, Notification of Reasons for Refusal 9-6-00 (TR)
	AZ	EP91307625, Office Action 10-11-93
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	AV	EP91307625, Communication of a notice of opposition 11-19-98
	AW	EP91307625, Interlocutory decision in Opposition proceeding, 5-16-00
	AX	EP91307625, Minutes of the oral proceedings, 3-9-00
	AY	EP97111628, Office action 12-1999
	AZ	EP97111628, Office action 11-2000
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	AU	EP97111628, Office action 6-2001
	AV	EP98106162, Office action 11-2000
	AW	EP98106162, Office action 6-2001
	AX	KR application No. 14984/91, Preliminary Notice of Ground(s) for Rejection (TR)
	AY	KR application No. 184682-00-00 Notice of Decision on Opposition to the Granted Patent 10-4-2000 (TR)
	AZ	KR application No. 184682, Trial Decision 8-1-00 (TR)
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	AU	KR application No. 46756/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
	AV	KR application No. 212874, 12-22-00, Notice of Decision on Opposition to the Granted Patent
	AW	KR application No. 46757/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
	AX	KR application No. 212819, 12-22-00, Notice of Decision on Opposition to the Granted Patent (TR)
	AY	JP patent No. 3145359, Notice of Reasons for Revocation 12-18-01 (TR)
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